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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/659,018	09/08/2000	David Gabriel	199-1538	3646

22844 7590 06/20/2003

FORD GLOBAL TECHNOLOGIES, LLC.
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EXAMINER

DEBERADINIS, ROBERT L

ART UNIT	PAPER NUMBER
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2836

DATE MAILED: 06/20/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Art Unit: 2836

DETAILED ACTION

The response filed 9/18/02 consists of cancellation of all previous claims, addition of new claims 21-31 and remarks related to rejection of claims. The claims are not allowed as explained below.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 21-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over REUYL 4,182,960 in view of GREEN 5,642,270 .

Regarding claims 21-31.

REUYL discloses a motor vehicle electrical power system for powering an electrical load external to the vehicle comprising:

an internal combustion engine (26');

a battery (52);

an electric generator (26'') coupled to said internal combustion engine for generating electrical power when said internal combustion engine is running;

an electric motor (propulsion system 56, see column 4, line 42) coupled to said battery.

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REUYL does not disclose a motor vehicle electrical power system for powering an electrical load external to the vehicle comprising:

an electric generator coupled to said internal combustion engine for generating AC electric power when said internal combustion engine is running;

a generator inverter disposed between said electric generator and said battery for converting the AC electric power generated by said generator to DC electric power for storage in said battery;

an electric traction motor coupled to said battery;

a traction inverter coupled to said battery for converting the stored DC electric power to an AC power input for said electric traction motor;

a switching device disposed between said traction inverter and said electric traction motor for selectively diverting the AC electric power input from said electric traction motor for application to the external electrical load.

GREEN discloses (column 5, lines 30 plus):

an electric traction motor (5) coupled to said battery (1);

a traction inverter (2) coupled to said battery for converting the stored DC electric power to an AC power input for said electric traction motor (5);

a switching device (4) disposed between said traction inverter and said electric traction motor (5) for selectively diverting the AC electric power input from said electric traction motor for application to the external electrical load (utility grid).

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It would have been obvious to one having ordinary skill in the art at the time of this invention to provide:

an electric generator coupled to said internal combustion engine for generating AC electric power when said internal combustion engine is running;

a generator inverter disposed between said electric generator and said battery for converting the AC electric power generated by said generator to DC electric power for storage in said battery;

to provide AC power directly to the residential load to save the life of the automotive storage batteries and provide the generator inverter to charge the vehicle batteries from the AC generator when the vehicle is in a normal charging mode of operation.

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR

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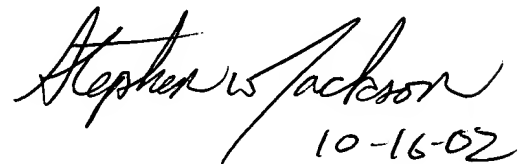
1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication should be directed to Robert L. DeBeradinis whose number is (703) 306-5857. The examiner can normally be reached on Monday-Friday from 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus, can be reached on (703) 308-3119. The fax phone number for this Group is (703) 308-7722.

RLD

OCTOBER 11, 2002

Handwritten signature of Stephen W. Jackson in cursive script, with the date 10-16-02 written below it.

STEPHEN W. JACKSON
PRIMARY EXAMINER